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TITLE: ILLEGAL IEEE1394 SERIAL BUS CONNECTION  
MONITORING DEVICE  
AND EQUIPMENT PROVIDED WITH THE SAME

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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To efficiently avoid an error in the connection or switching of a cable due to a user in an environment like a domestic local area network(LAN) to which plural pieces of equipment are connected by an Institute of Electrical and Electric Engineers(IEEE) 1394 serial bus.

SOLUTION: In the case of cable configuration, loop detecting parts 7a to 9a read control signals transmitted and received by ports 1-3 and judge the presence/absence of a loop. When a cable constituting the loop exists, loop display parts 7b-9b display the presence of the loop by flickering light emitting diodes 7c-9c provided corresponding to the ports 1-3. From this

**display**, the user can easily recognize the **loop** part and by pulling one cable from one of **displayed** ports, the **loop** can be canceled.

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